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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/529,660	10/21/2005	Jun Matsukawa	A-071 US	1653

7590 08/22/2006  
Stacey E Caldwell  
Molex Incorporated  
2222 Wellington Court  
Lisle, IL 60532

EXAMINER

NGUYEN, PHUONGCHI T

ART UNIT PAPER NUMBER

2833

DATE MAILED: 08/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/529,660

Applicant(s)

MATSUKAWA ET AL.

Examiner

Phuongchi Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 October 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

## DETAILED ACTION

### *Claim Objections*

1. Claim 1 is objected to because of the following informalities: please add article -- A -- in front of “memory card connector” in claim 1, line 1. Appropriate correction is required.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –  
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by WO02/07269A2.

In regards to claim 1, WO02/07269A2 discloses a memory card connector having an interior cavity (forming between the two legs 18, 20) into which a memory card (22) is inserted to a temporary retained position (where the card 22 just engaged the two legs 18 and 20, as shown in fig. 1) and then to a fully inserted position (where the card and card connector completely engaging), comprising an insulating housing (12) having a rear terminal mounting section (where the terminals 24 located) at a rear of the cavity; a plurality of terminals (24) mounted on the terminal mounting section (where the terminals 24 located) of the housing (12) and having contact portions (24a) for engaging contacts (76) on the memory card (22) (page 4, lines 26-27, fig. 13);

a slider (48) movably mounted on the housing (12) and engageable with the memory card (22) for movement therewith, the slider (48) being slidable along a side wall (of legs 18 and 20 of 12) of the housing (12) (page 5, lines 3-4), and the slider (48) having a projection (62)

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engageable in a recess (80) in a side of the memory card (22)(page 7, line 9 and page 8, lines 2);  
and

a sheet metal shell (14) covering at least a (front and along the legs 18+20) portion of the insulating housing (12) and including a cover plate (26) overlying at least a (front) portion of the cavity (forming between the two legs 18, 20), a side wall plate (of legs 28+32, 30+34 of 14) depending from the cover plate (26) and overlying at least a portion of the side wall (18, 20) of the housing (12), and

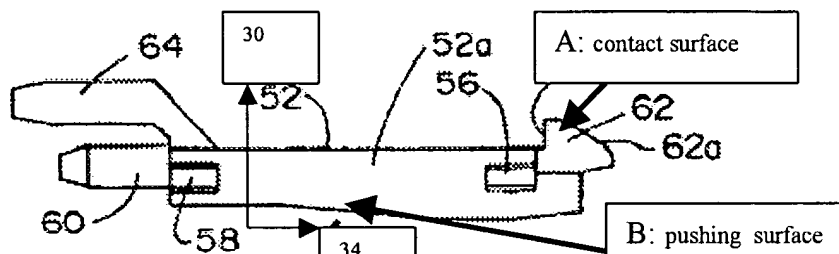
a spring structure (of 72) stamped and formed out of an opening (where pin 70 of spring 72 move in and out) in the side wall plate (34) and engageable with the slider (48) to bias the projection (62) of the slider (48) into the recess (80) in the memory card (22), the spring structure (of 72) being integral with the side wall plate (30+34) at opposite edges of the opening (where pin 70 of spring 72 move in and out) (fig. 1).

In regards to claim 2, WO02/07269A2 discloses the memory card connector wherein the spring structure (of 72) comprises a spring plate (72) which is elongated in the direction of movement of the slider (48) and memory card (22) (fig. 1).

In regards to claim 3, WO02/07269A2 discloses the memory card connector wherein the elongated spring plate (72) has opposite end sections, which are integral with the side wall plate (34) of the metal shell (14) within the opening (where pin 70 of spring 72 move in and out) (fig. 1).

In regards to claim 4, WO02/07269A2 discloses the memory card connector wherein the elongated spring plate (72) has a central section between the opposite end sections, the central section being wider than the end sections (fig. 1).

In regards to claim 5, WO02/07269A2 discloses the memory card connector wherein the slider (48) includes a contact surface (A) opposing the side wall plate (30) of the metal shell (14) and generally parallel thereto and a pushing surface (B) opposing the spring structure (72) of the metal shell (14) (see marked-up below) (fig. 6 is top view and fig. 16 is rear view).



In regards to claim 6, WO02/07269A2 discloses the memory card connector wherein the pushing surface (B) is oblique to the contact surface (A) of the slider (48) (see marked-up above).

In regards to claim 7, WO02/07269A2 discloses the memory card connector wherein the slider (48) includes an abutting surface (64) for engaging a front end of the memory card (22) (page 7, lines 18-19).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuongchi Nguyen whose telephone number is (571) 272-2012. The examiner can normally be reached on 8:00AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula Bradley can be reached on (571) 272-2800 ext 33. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PCN

August 15, 2006

  
**TULSIDAS C. PATEL**  
**SUPERVISORY PATENT EXAMINER**